

In the claims:

Please amend the claims as set forth in the following listing. This listing of claims will replace all prior versions, and listings, of claims for the present application:

Claims 1-23 (canceled).

24. (Original) A primer-based adhesive composition, comprising:
- (a) an adhesive part A, which comprises:
- one or more monofunctional, difunctional, or trifunctional acrylate or methacrylate monomers,
- fused silica,
- a N,N-disubstituted aromatic amine, and
- an antioxidant, and
- (b) a primer part B, which comprises:
- a peroxide or hydroperoxide free-radical initiator, and
- a solvent.
25. (Original) The composition of claim 24 further comprising in part A, part B, or both part A and part B a thickener, a thixotrope, an adhesion promoter, or combination thereof.
26. (Currently amended) The composition of claim 24 wherein for Part A the monomer is selected from the group consisting of methyl methacrylate, methacrylic acid, isobornyl methacrylate, ethylene glycol dimethacrylate, ethoxylated bisphenol A diacrylate esters, tetraethylene glycol dimethacrylate, diethylene glycol dimethacrylate, diethylene glycol diacrylate, tris (2-hydroxyethyl) isocyanurate triacrylate, an alkyl ester of acrylic acid, a hydroxy alkyl ester of acrylic acid, an alkyl ester of methacrylic acid, a hydroxy alkyl ester of methacrylic acid, butyleneglycol dimethacrylate, tetraethyleneglycol dimethacrylate, polyethylene glycol dimethacrylate, bisphenol A dimethacrylate, ethoxylated bisphenol A dimethacrylate, pentaerythritol dimethacrylate, ~~butyleneglycol trimethacrylate, polyethylene glycol trimethacrylate, bisphenol A trimethacrylate, ethoxylated bisphenol A trimethacrylate,~~ and pentaerythritol trimethacrylate.

27. (Original) The composition of claim 24 wherein for Part A the N,N-disubstituted aromatic amine is present in an amount of from about 0.5 to about 3 percent.

28. (Original) The composition of claim 24 wherein the free-radical initiator is benzoyl peroxide (BPO), cumene hydroperoxide, or a combination thereof.

29. (Canceled).

30. (Original) The composition of claim 24 wherein the solvent is a ketone, a hydrocarbon, an ester, an alcohol, or combination thereof.

31. (Original) A reaction product of part A and part B of claim 24.

Claims 32-87 (canceled)

88. (Currently amended) The composition of claim 24 wherein the N,N- distributed aromatic amine is N,N-dimethyl-p-toluidine, ~~N,N-dimethylaniline~~, N,N-dimethylaniline, or 4,4'-methylene bis (N,N-dimethylaniline).

89. (Previously presented) The composition of claim 24 wherein the one or more monomers includes ethylene glycol dimethacrylate.

90. (Previously presented) The composition of claim 24, wherein the solvent is a ketone.

91. (New) The composition of claim 24, wherein the one or more monofunctional, difunctional, or trifunctional acrylate or methacrylate monomers is present in amount of at least 80 percent by weight in part A.

92. (New) A primer-based adhesive composition, comprising:
(a) an adhesive part A, which comprises:
one or more monofunctional, difunctional, or trifunctional acrylate or methacrylate monomers in amount of at least 80 percent by weight in part A,
a N,N-disubstituted aromatic amine, and

- an antioxidant, and
- (b) a primer part B, which comprises:
 - a peroxide or hydroperoxide free-radical initiator, and
 - a solvent.

93. (New) The composition of claim 92 further comprising in part A, part B, or both part A and part B a thickener, a thixotrope, an adhesion promoter, or combination thereof.

94. (New) The composition of claim 92 wherein for Part A the monomer is selected from the group consisting of methyl methacrylate, methacrylic acid, isobornyl methacrylate, ethylene glycol dimethacrylate, ethoxylated bisphenol A diacrylate esters, tetraethylene glycol dimethacrylate, diethylene glycol dimethacrylate, diethylene glycol diacrylate, tris (2-hydroxyethyl) isocyanurate triacrylate, an alkyl ester of acrylic acid, a hydroxy alkyl ester of acrylic acid, an alkyl ester of methacrylic acid, a hydroxy alkyl ester of methacrylic acid, butyleneglycol dimethacrylate, tetraethyleneglycol dimethacrylate, polyethylene glycol dimethacrylate, bisphenol A dimethacrylate, ethoxylated bisphenol A dimethacrylate, pentaerythritol dimethacrylate, and pentaerythritol trimethacrylate.

95. (New) The composition of claim 92 wherein for Part A the N,N-disubstituted aromatic amine is present in an amount of from about 0.5 to about 3 percent.

96. (New) The composition of claim 92 wherein the free-radical initiator is benzoyl peroxide (BPO), cumene hydroperoxide, or a combination thereof.

97. (New) The composition of claim 92 wherein the solvent is a ketone, a hydrocarbon, an ester, an alcohol, or combination thereof.

98. (New) The composition of claim 92 wherein the N,N- distributed aromatic amine is N,N-dimethyl-p-toluidine, N,N-dimethylaniline, or 4,4'-methylene bis (N,N-dimethylaniline).

99. (New) The composition of claim 92 wherein the one or more monomers includes ethylene glycol dimethacrylate.

100. (New) The composition of claim 92, wherein the solvent is a ketone.

101. (New) The composition of claim 92, wherein the Part A includes 0.1 to 2 percent by weight of fused silica.